abcam

Product datasheet

Anti-CTLA4 antibody [1B8] (Phycoerythrin) ab25580

概述

产品名称	Anti-CTLA4抗体[1B8] (Phycoerythrin)
描述	亚美尼亚仓鼠单克隆抗体[1B8] to CTLA4 (Phycoerythrin)
宿主	Armenian hamster
偶联物	Phycoerythrin. Ex: 488nm, Em: 575nm
经测试应用	**适用于:** Flow Cyt, IP, Functional Studies
种属反应性	**与反应:** Mouse
免疫原	The details of the immunogen for this antibody are not available.
常规说明	This antibody can be used for enhancement of tumor immunity.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C.
存储溶液	Preservative: 0.09% Sodium Azide Constituents: 16% Sucrose, PBS and stabilizing agent.
纯度	IgG fraction
Primary antibody说明	This antibody can be used for enhancement of tumor immunity.
克隆	单克隆
克隆编号	1B8
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab25580** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
Flow Cyt		Use 0.3µg for 10^6 cells.

应用	Ab评论	说明
IP		Use at an assay dependent concentration.
Functional Studies		Use at an assay dependent concentration.

靶标

功能	Inhibitory receptor acting as a major negative regulator of T-cell responses. The affinity of CTLA4 for its natural B7 family ligands, CD80 and CD86, is considerably stronger than the affinity of their cognate stimulatory coreceptor CD28.
组织特异性	Widely expressed with highest levels in lymphoid tissues. Detected in activated T-cells where expression levels are 30- to 50-fold less than CD28, the stimulatory coreceptor, on the cell surface following activation.
疾病相关	Genetic variation in CTLA4 influences susceptibility to systemic lupus erythematosus (SLE) [MIM:152700]. SLE is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. SLE is thought to represent a failure of the regulatory mechanisms of the autoimmune system. Note=Genetic variations in CTLA4 may influence susceptibility to Graves disease, an autoimmune disorder associated with overactivity of the thyroid gland and hyperthyroidism. Genetic variation in CTLA4 is the cause of susceptibility to diabetes mellitus insulin-dependent type 12 (IDDM12) [MIM:601388]. A multifactorial disorder of glucose homeostasis that is characterized by susceptibility to ketoacidosis in the absence of insulin therapy. Clinical fetaures are polydipsia, polyphagia and polyuria which result from hyperglycemia-induced osmotic diuresis and secondary thirst. These derangements result in long-term complications that affect the eyes, kidneys, nerves, and blood vessels. Genetic variation in CTLA4 is the cause of susceptibility to celiac disease type 3 (CELIAC3) [MIM:609755]. It is a multifactorial disorder of the small intestine that is influenced by both environmental and genetic factors. It is characterized by malabsorption resulting from inflammatory injury to the mucosa of the small intestine after the ingestion of wheat gluten or related rye and barley proteins. In its classic form, celiac disease is characterized in children by malabsorption and failure to thrive.
序列相似性	Contains 1 Ig-like V-type (immunoglobulin-like) domain.
翻译后修饰	N-glycosylation is important for dimerization. Phosphorylation at Tyr-201 prevents binding to the AP-2 adapter complex, blocks endocytosis, and leads to retention of CTLA4 on the cell surface.
细胞定位	Cell membrane. Exists primarily an intracellular antigen whose surface expression is tightly regulated by restricted trafficking to the cell surface and rapid internalisation and.

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